

# **Spanish energy storage inventory by 2025**





## Overview

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Spain has launched an ambitious €700 million (around \$796 million) program to increase its energy storage capacity. This plan will add 2.5 to 3.5 gigawatts (GW) of storage. It includes pumped hydro, thermal energy storage, and battery systems. How much energy storage will Spain have by 2030?

In its National Energy and Climate Plan (NECP), the Spanish government aims to have 22.5GW of energy storage by 2030 (see table 1). This amount of storage capacity will be needed to integrate the growing capacity of intermittent generation.

How much energy storage capacity does Spain have?

When it comes to installed energy storage capacity in general, Spain is one of the leading countries within Europe (see figure 2). Currently, Spain has 6.3GW of hydroelectric and 1GW of thermal storage capacity installed. In fact, the non-BESS storage capacity in Spain is higher than in any other European country.

What is Spain's regulatory framework for energy storage?

Spain's regulatory framework for BESS is set in its Strategy for Energy Storage. The Strategy identifies the required regulatory measures – such as grid access, market structure, and addressing double tolling – that are currently needed to ensure the deployment of a solid energy storage market.

How does Spain's pumped hydro energy storage compete with Bess?

Spain's pumped hydro energy storage competes directly against BESS, limiting the battery storage opportunity in wholesale markets. 3. Missing ancillary markets Unlike Great Britain or Texas, Spain never created ancillary service markets that net-zero systems need:



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### The European Energy Storage Inventory: A comprehensive ...

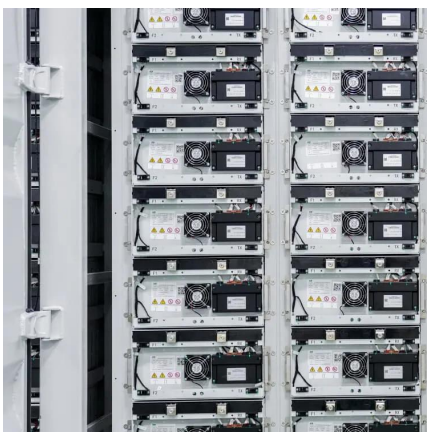
The European Commission officially introduced the "European Energy Storage Inventory" at the beginning of March 2025-a pioneering real-time dashboard, which for the first ...

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### Brussels approves a Spanish state energy transition plan

The objective of the plan is to provide investment support for the deployment of large-scale energy storage. This will ensure independence from fossil fuel imports and greater ...

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### Energy: Powering through 2025 - key legal challenges and ...

Renewable generation is hindered by declining prices, lack of access capacity tenders, and project financing challenges, but opportunities lie in PPAs, asset hybridisation ...

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### New EU Platform Highlights Over 1771 Energy Storage Projects

The European Energy Storage Inventory, developed by the Joint Research Centre (JRC) of the European Commission, is a new interactive



platform that maps and analyzes over 1771 energy ...

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### The latest developments in the Spanish energy storage industry

In terms of the Spanish energy storage market, by the end of 2022, the total Spanish energy storage market will be about 10.8GW. The government's goal is to reach ...

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### Spanish gov launches EUR700m tender for large-scale energy storage

The Institute for the Diversification and Saving of Energy (IDAE), an agency of Spain's Ecological Transition Ministry, has today launched a tender which offers EUR700 million ...

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### Spain's EUR700 Million Plan to Boost Energy Storage and ...

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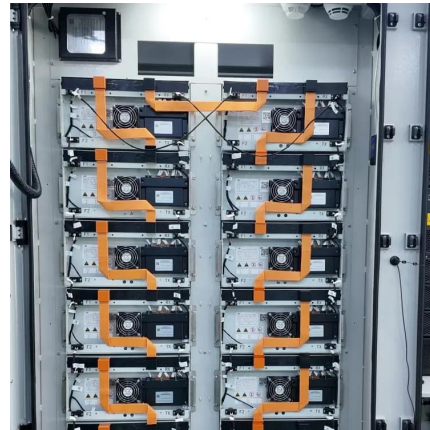


## The future of energy in Spain: Trends and forecasts for 2025

The Spanish energy market is at a time of profound transformation, driven by factors such as the energy transition, the growing demand for renewable energy and the volatility of fossil fuel

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## EUPD Research: Home storage grows across Europe in first half of 2025

According to information from EUPD Research's "Price and Inventory Tracker," the price index for private storage systems up to 20 kWh in Germany fell by more than 50% ...

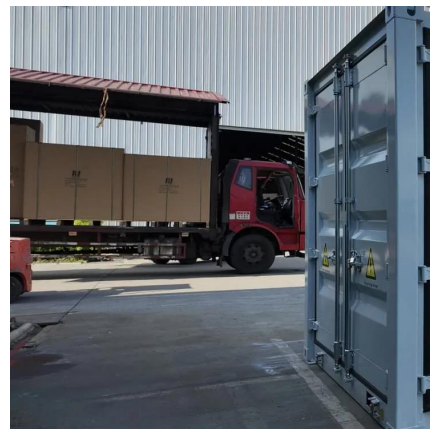
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## Unstoppable Power: Top 10 Spanish Energy Storage Battery Innovators (2025)

Iberdrola, one of Spain's largest energy groups, operates extensive pumped-hydro storage assets (e.g., Cortes-La Muela, Aldeadávila) and is developing hybrid wind-solar projects to stabilize

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## The latest developments in the Spanish energy storage industry

In terms of the Spanish energy storage market, by the end of 2022, the total Spanish energy storage market will be about 10.8GW. The government's goal is to reach 20GW of energy ...

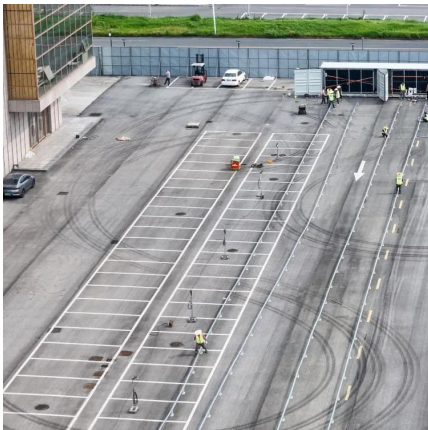
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### Spain approves legislation to encourage energy storage, flexibility

Approved on 24 June by the Spanish government, the Royal Decree-Law 7/2025 contains measures that aim to strengthen the resilience of the country's electrical system, ...

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### Spain's 2025 Energy Storage Policy: Powering Renewable ...

But here's the thing - Spain's betting big that storage will cement its position as Europe's renewable leader. With neighboring countries like Portugal and France eyeing similar reforms, ...

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### [5th Solar Energy Storage Future Spain 2025. Energy Box](#)

The country aims to deploy 22 GW of energy storage by 2030 and 50 GW by 2050. Currently, the total installed capacity of energy storage in Spain--covering planned, under-construction, and ...

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### [Iberia: Why are there no batteries in Spain?](#)

Spain's battery energy storage market is at a critical point. Despite being a leader in renewable energy deployment in Europe, the country has only 18 MW of standalone batteries installed, ...

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